

Fei Yuan, Ko

CONTACTS

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EDUCATION

New York University (3.89 GPA)

Major in Computer Science. Minor in Music and Interactive Media. Class of 2023.

Relevant Course Work: Operating systems, Computer Architecture, Computer Networks, Software Engineering, Data Structures, Algorithms.

SKILLS

- **Programming:** Python, Java, Javascript, C, C++, Dart
- **Front-end Dev:** Flutter, React
- **Web Dev:** HTML, CSS, JavaScript, Bootstrap, JQuery, Express.js
- **UX/UI:** Figma, InVision
- **Version Control:** Git

WORK EXPERIENCE

SWE Intern @ Endex (hackNY Fellow)

Endex, New York City | June 2022 - Aug 2022

- Designed Hi-Fidelity prototypes for the Endex app on Figma and proposed UX/UI changes for our Private Beta Release.
- Built the splash screen with custom animation, the explore page with animated background, and the user interest screen for displaying relevant feed content to the users by using Flutter.
- Fixed styling and SVG icon rendering issues, and worked with version control, automated builds, and staging environments on Azure DevOps.
- Selected as one of 16 top student technologists to join an intensive fellowship immersed in the NYC tech ecosystem.

Web Development and Software Engineering Intern

Turnon Technology, Taiwan | June 2021 - Aug 2021

- Designed the prototypes for the website and built the official website for Turnon Tech.
- Built robot control interfaces with Knockout.js to facilitate the testing process for Industrial Automation Robotic Arms.

Cyber Security Research Intern

Modern Microprocessors Architecture Lab | May 2020 - July 2020

- Developed a Python script (Malware Separator) that classifies 63054 different viruses based on their architecture type. Work was used by the paper author here to develop a ML-based virus detection mechanism on PLC devices.
- Collaborated with a NYU Tandon Graduate student under the supervision of Professor Michail Maniatakos.

PERSONAL PROJECTS

- Fitegy (Sep 2021 - in progress)

- Designed Hi-Fidelity prototypes for the Fitegy social fitness app on Figma.
- Researched trends and impacts of social factors in the current fitness space.
- Collected responses from 124 students on campus to evaluate our assumptions and business strategies.
- Built Fitegy version 1 with React, Node.js, and MongoDB.

- ByteMe (Sep 2021 - Dec 2021)

- Built a interactive website using Flask and Jinja for ByteMe, a project where users can see how their data is used at different companies with tools such as summarization, readability, similarity, and topic modeling.
- Performed web scraping to collect privacy policies across 441624 companies worldwide.
- Utilized Scikit-learn to perform summarization and readability about different companies' privacy policies to further provide rankings to users.

- Rate My NYU Professors (May 2021)

- Built a chrome extension using HTML/CSS/JS that displays reviews of professors on the NYU course registration page.
- Helped 390+ students make decisions more efficiently about which courses to take.
- Constantly iterate on student feedback for 1+ years.

- Malware Separator (June 2020)

- An open-sourced python program that separates malware files based on their architecture type by extracting metadata retrieved from different malware sites using Virus Total APIs.